In the claims:

1. (cancelled)

2. (cancelled)

3. (cancelled)

4. (cancelled)

5. (cancelled)

6. (cancelled)

7. (previously presented) An access point operable to provide wireless network access to client devices coupled to a wireless network, the access point comprising:

a controller that automatically chooses one of a plurality of radio frequencies on which to operate, said controller choosing said frequency after evaluating frequencies on which other access points operate, said controller comprising:

a. logic for picking a frequency;

b. logic for transmitting on said frequency;

c. logic for receiving on said frequency;

d. logic for evaluating whether other access points are heard on said frequency;

e. logic for reducing transmission power;

f. logic for evaluating whether said other access points are still heard on said frequency;

g. logic for storing the transmission power at which no other access points are heard;

h. logic for picking a next frequency as the frequency and repeating steps b-g until all of the plurality of frequencies has been picked;

i. logic for comparing said stored transmission powers;

j. logic for choosing for operation the frequency associated with the highest stored transmission power.

8. (cancelled)

9. (cancelled)

10. (cancelled)

11. (cancelled)

12. (cancelled)

13. (cancelled)

14. (previously presented) A method comprising the steps of:

providing an access point operable to provide wireless network access to client devices coupled to a wireless network;

automatically choosing by the access point one of a plurality of radio frequencies on which to operate, after evaluating frequencies on which other access points operate,

wherein the step of automatically choosing comprises the steps of:

a. picking a frequency;

b. transmitting on said frequency;

c. receiving on said frequency;

d. evaluating whether other access points are heard on said frequency;

e. reducing transmission power;

f. evaluating whether said other access points are still heard on said frequency;

g. storing the transmission power at which no other access points are heard;

h. picking a next frequency as the frequency and repeating steps b-g until all of the plurality of frequencies has been picked;

i. comparing said stored transmission powers;

j. choosing for operation the frequency associated with the highest stored transmission power.

15. (cancelled)

16. (cancelled)

17. (cancelled)

18. (cancelled)

19. (cancelled)

20. (cancelled)

21. (previously presented) A program product comprising a computer readable medium having embodied therein a computer program for storing data, the computer program comprising:

logic for operation in an access point, the access point operable to provide wireless network access to client devices coupled to a wireless network, the logic for automatically choosing one of a plurality of radio frequencies on which to operate, the logic choosing said frequency after evaluating frequencies on which other access points operate, the logic comprising:

a. logic for picking a frequency;

b. logic for transmitting on said frequency;

c. logic for receiving on said frequency;

d. logic for evaluating whether other access points are heard on said frequency;

e. logic for reducing transmission power;

f. logic for evaluating whether said other access points are still heard on said frequency;

g. logic for storing the transmission power at which no other access points are heard;

h. logic for picking a next frequency as the frequency and repeating steps b-g until all of the plurality of frequencies has been picked;

i. logic for comparing said stored transmission powers;

j. logic for choosing for operation the frequency associated with the highest stored transmission power.